

## Appendix F: Agonist Well-to-Well Data Summary

### Compounds Tested by XDS's LUMI CELL™ ER Recombinant Assay for Well-to-Well Variability

#### Agonist Well-to-Well Data

<u>ICCVAM Recommended Compounds for Validation of ER TA Assays</u>	CAS RN	ICCVAM Historical Data				XDS's LUMI CELL™ ER Data for Validation of <i>In Vitro</i> ER TA Assay Well-to-Well Data					
		RAB Range	MCRG Studies		Estradiol Positive at 10 µg/ml	Estradiol Positive at 1 µg/ml	<u>EC 50 mmol/ml ± Standard error</u>	Relative Induction to Estradiol	Well-to-Well Coefficient of Variation		
			ER Agonist	ER Antagonist	AR Agonist	AR Antagonist					
<b>ER POSITIVE:</b>											
Apigenin	520-36-5	P	+	+	-	-	Cell Toxicity	+	1.30E-05 ± 4.63E-06	2.74E-06	62%
Bisphenol A	80-05-7	P	+	-	-	+		+	1.52E-05 ± 3.54E-06	2.35E-06	40%
Coumesterol	479-13-0	P	+	+	-	-		+	1.13E-10 ± 1.08E-11	3.15E-01	29%
Daidzein	486-66-8	P	+	-	-	-		+	1.58E-09 ± 6.91E-11	2.26E-02	11%
17β-Estradiol	50-28-2	P	+	-	+	+		+	3.56E-11 ± 5.11E-12	1.00E+00	29%
17alpha-Ethynodiol Estradiol	57-63-6	P	+	-	-	-		+	2.53E-11 ± 6.16E-12	1.41E+00	42%
Estrone	53-16-7	P	+	-	+	-		+	5.66E-10 ± 1.15E-10	6.28E-02	35%
Ethyl paraben	120-47-8	P	+	-	-	-		+	3.96E-05 ± 1.15E-10	8.98E-07	35%
Genistein	446-72-0	P	+	+	-	-		+	3.32E-10 ± 1.79E-11	1.07E-01	9%
Kaempferol	520-18-3	P	+	-	-	-		+	4.30E-10 ± 2.27E-11	8.28E-02	13%
Kepone	143-50-0	P	+	-	-	+		+	6.00E-10 ± 5.87E-11	5.93E-02	17%
Norethynodrel	68-23-5	P	+	-	-	-		+	7.62E-10 ± 8.31E-11	4.67E-02	19%